monomials
•multiplication•

#4

Example:

$(4x^2y^5)(4x^2)(4x^3y) =$

1. Multiply the coefficents.
   $(4x^2y^5)(4x^2)(4x^3y) = 64$
2. Multiply the variables by adding the exponents.
   $(x^2)(x^2)(x^3) = x^{2+2+3} = x^7$
   $(y^5)(y) = y^{5+1} = y^6$
   Answer: $64x^7y^6$

Multiply the monomials.

1. $(3x^6)(7x^4y^5)(3y^7) =$ _____

2. $(2xy)(3xy)(6x^8y^4) =$ _____

3. $(5x^6y)(xy)(3xy^2) =$ _____

4. $(8xy)(11xy^6)(11y) =$ _____

5. $(7x^6)(xy)(x^2y) =$ _____

6. $(8x^3y^9)(x^7y)(x^5y^8) =$ _____

7. $(5x^3y^6)(9x^4y)(xy) =$ _____

8. $(6x^2y)(xy^9)(x) =$ _____

9. $(x)(x^8)(10x^7y) =$ _____

10. $(8x^2y)(xy^7)(x^3y) =$ _____

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